

EXAMPLE SCENARIO 11

TABLE 10.2.RME
RISK ASSESSMENT SUMMARY
REASONABLE MAXIMUM EXPOSURE
The Dean Company

Scenario Timeframe: Future
Receptor Population: Resident
Receptor Age: Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient				
				Ingestion	Inhalation	Dermal	External (Radiation)	Exposure Routes Total	Primary Target Organ(s)	Ingestion	Inhalation	Dermal	Exposure Routes Total
Groundwater	Groundwater	Aquifer 1 - Tap Water	Heptachlor	7E-04	--	3E-04	--	1E-03	Liver	4	--	1	5
			Manganese	--	--	--	--	--	Central Nervous System	40	--	--	40
			Uranium	--	--	--	--	--	Kidney	8	--	--	8
			Chemical Total	7E-04	--	3E-04	--	1E-03		52	--	1	53
			Uranium 238	1E-06	--	--	--	1E-06					
			Radium 226	3E-06	--	--	--	3E-06					
			Radionuclide Total	4E-06	--	--	--	4E-06					
			Exposure Point Total					1E-03					53
			Exposure Medium Total					1E-03					53
			Groundwater Total					1E-03					53
Soil	Soil	Soil at Site 1	4,4'-DDE	3E-006	--	--	--	3E-006	--	--	--	--	--
			4,4'-DDT	1E-05	--	9E-07	--	1E-05	--	--	--	--	--
			Uranium	--	--	--	--	--	Kidney	3	--	--	3
			Chemical Total	1E-05	--	9E-07	--	1E-05		3	--	--	3
			Radium 226	5E-07	--	--	9E-05	9E-05					
			Radionuclide Total	6E-07	--	--	9E-05	9E-05					
			Exposure Point Total					1E-04					3
			Exposure Medium Total					1E-04					3
			Soil Total					1E-04					3
			Receptor Total					1E-03					56

Total Risk Across All Media

1E-03

Total Hazard Across All Media

56

Total Liver HI Across All Media =

5

Total Kidney HI Across All Media =

11

Total Central Nervous System HI Across All Media =

40

Cancer risks presented are those greater than 1E-06; Non-cancer risks presented are those greater than 1.